Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/05/2015 11:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124613	-1	1.81	124518	1.74
Blue	F	SSC	125000	124331	-1	2.8	125304	2.58
Blue	E	FITC	17998	17425	-4	2.33	982	7.97
Blue	D	PE	23234	22645	-3	1.93	1023	7.3
Blue	B	PerCP-Cy5-5	69571	68141	-3	2.51	1797	11.48
Blue	A	PE-Cy7	77815	76128	-3	3.45	1005	21.94
Red	C	APC	65936	65579	-1	2.54	3699	7.85
Red	A	APC-Cy7	100669	100377	-1	2.55	1983	7.57
Violet	B	V450	10405	9872	-6	3.71	614	7.97
Violet	A	V500	47250	46111	-3	3.53	2605	5.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19853	6.07	576	-3	N/A	N/A	Pass
Blue	F	SSC	62217	1.79	494	5	N/A	N/A	Pass
Blue	E	FITC	107	31.3	512	-3	0.0315	34	Pass
Blue	D	PE	212	21.78	504	-3	0.2024	97	Pass
Blue	B	PerCP-Cy5-5	220	34.65	586	-4	0.0146	0	Pass
Blue	A	PE-Cy7	79	80.87	641	-5	0.019	0	Pass
Red	C	APC	344	25.1	578	0	0.0227	0	Pass
Red	A	APC-Cy7	126	36.1	559	0	0.0053	775	Pass
Violet	B	V450	65	41.86	452	2	0.0517	2079	Pass
Violet	A	V500	172	20.52	492	4	0.0159	121	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.81	-31.72	0.77
Blue	20.48	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.20
Red	17.29	13.07 - 19.61	N/A	N/A	32.27	32.45	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10067

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments